

Dictionary of ERNS Data Elements Included in IDEA

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1.0 ERNS Data Elements Included in IDEA

The Integrated Data for Enforcement Analysis (IDEA) system incorporates data from 17 databases. IDEA makes copies of the source database files and incorporates the data into its own "shadow files." Among the databases that IDEA draws from is the Emergency Response Notification System (ERNS).

1.1 DESCRIPTION OF ERNS

ERNS is a national computer database and retrieval system that is used to store information on release notifications of oil and hazardous substances. ERNS contains reports of incidents as initially reported to the National Response Center (NRC), the ten EPA Regions, or the United States Coast Guard (USCG). It provides data that can be used to analyze spills and to support emergency planning efforts by federal, state, and local governments.

ERNS contains information on specific releases of oil and hazardous substances. Examples of notification information in ERNS and available through IDEA include:

- Discharger identification,
- Date of release,
- Material released,
- Cause of release,
- Damage/injuries/deaths,
- Amount released,
- Source of release,
- Incident location,
- Response actions taken,
- Authorities notified, and
- Environmental medium into which the release occurred.

Processing Considerations

ERNS data is not linked using FII, therefore it is necessary to run ERNS queries in IDEA as nonlinked or linked nonlinked queries.

The ERNS basic unit is a report, not an incident, which means that incidents can appear more than once. In some cases a later update on the same incident may show up as a new report.

1.2 ERNS DATA ELEMENTS

The table below lists the ERNS elements that appear in IDEA. If you would like to see ERNS data elements arranged alphabetically, please refer to *Attachment 1, ERNS Data Elements (by data element name)*.

- A data element must be indexed to be used in an IDEA query. Refer to the 'Index?' column of the table to see whether or not a data element is indexed.
- In order to access sensitive data elements, users must have Enforcement Sensitive access. Refer to the 'Sensitive?' column of the table to see whether or not the data element is enforcement sensitive.
- Italicized data elements indicate single and multiple indexing elements. These elements are created in IDEA to make it easier for the user to search on a portion of a data field, or to search on more than one data field at a time.
- Data elements in the same group may be repeating fields. Refer to the 'Repeat Record' column of the table to see whether or not the data element is a repeating field. In repeating groups, the data element(s) that uniquely determine the record, the "keyed" elements, are denoted by a 'K' in parentheses.

ERNS Data Elements (by group)						
Repeat Record?	Element Name	Index?	Sensitive?	Data Type	Length	Long Name
REPT1						
N	STATE	N	N	Char	2	ID State
	DID	N	N	Num	8	Discharger ID
REPT2						
N	DTRPT	Y	N	Num	8	Report Date
	TMRPT	N	N	Num	4	Report Time
	OWNID	Y	N	Num	9	Unique Identifier
DSCHG						
Y	DOWNID(K)	N	N	Num	9	Discharger Owner ID
	DORG	N	N	Char	32	Discharger Organization
	<i>\$#1HASH</i>	Y	N	Char	18	<i>Discharger Organization Index</i>
	HASHORG	N	N	Char	64	Discharger Organization Hash
	<i>HASH</i>	Y	N	Char	4	<i>Discharger Organization Hash Index</i>
	DORGT	Y	N	Char	2	Discharger Organization Type
	DADD	N	N	Char	70	Discharger Address
	DCOUNTY	N	N	Char	20	Discharger County
	DFIPSCO	N	N	Num	3	Discharger County FIPS Code
	DCITY	N	N	Char	32	Discharger City
	DST	Y	N	Char	2	Discharger State
	<i>DSTCITY</i>	Y	N	Char	12	<i>Discharger State/City</i>
	<i>DSTCNTY</i>	Y	N	Char	4	<i>Discharger State/County Code</i>
	DZIP	Y	N	Char	10	Discharger ZIP
	DPH1	N	N	Char	17	Discharger Phone 1
	DPH2	N	N	Char	17	Discharger Phone 2
	DUNS	Y	N	Char	12	Dun & Bradstreet Number

ERNS Data Elements (by group)						
Repeat Record?	Element Name	Index?	Sensitive?	Data Type	Length	Long Name
	DREGION	Y	N	Char	2	Discharger Region
	REPT					
N	INIT	Y	N	Char	1	Initial Report
	MUD	Y	N	Char	1	Most Up-To-Date Report
	SRC	Y	N	Char	2	Agency Receiving Initial Report
	RSOURCE	Y	N	Char	1	EPA Reporting Source Agency Type
	RNAME	Y	N	Char	20	EPA Reporting Source Agency Name
	RNO	Y	N	Char	12	Report Number
	RNO2	Y	N	Char	12	Case Number Assigned to Regional Report
	TRANSNR	Y	N	Char	20	EPA Unique Identifier
	MULT	Y	N	Char	1	Multiple Report Indicator
	MREPCNT	Y	N	Num	3	Multiple Report Count
	MCASE	Y	N	Char	12	Multiple Case Number
	MCASEID	Y	N	Num	8	Multiple Case ID
	FOLLOWUP	N	N	Char	5	Follow-Up Codes
	FOLLOWCT	N	N	Num	3	Count of Report Updates
	CRTYPE	Y	N	Char	1	Continuous Release Type
	CRNO	Y	N	Char	12	Continuous Release Number
	DTSPI	Y	N	Num	8	Date Spill
	TMSPI	N	N	Num	4	Time Spill
	DTGTYPE	N	N	Char	1	Spill Observation Type
	DNAME	N	N	Char	32	Discharger Name (Individual)
	SPILLER	N	N	Char	1	Caller is Discharger
	DTDSCVR	Y	N	Num	8	Discovery Date
	MATS	N	N	Char	1	Materials Released Indicator
	JURI	Y	N	Char	1	Jurisdiction
	RPTBL	Y	N	Char	1	Reportable
	DTCANCL	N	N	Num	8	Date Cancel Letter
	HMIS	N	N	Char	3	HMIS Code
	ERRC	N	N	Char	1	Data Error Code
	DTHC	N	N	Num	8	Date Hardcopy
	ISTAT	Y	N	Char	1	Incident Status
	DTMEMO	N	N	Num	8	Superfund Action Memo Date
	MEMAPPR	N	N	Char	1	Superfund Action Memo Approved
	ENF1	N	N	Char	2	Enforcement Activity Code 1
	ENF2	N	N	Char	2	Enforcement Activity Code 2
	ENF3	N	N	Char	2	Enforcement Activity Code 3
	ENF4	N	N	Char	2	Enforcement Activity Code 4
	ENF5	N	N	Char	2	Enforcement Activity Code 5
	DTPOLR	N	N	Num	8	Pollution Report Issued Date
	MONITOR	Y	N	Char	1	On-Scene Monitoring
	INVEST	Y	N	Char	1	Release Investigation
	TDDNBR	N	N	Char	9	Technical Direction Document Number
	PHONAST	N	N	Char	1	Telephone Assistance
	ERACTVT	N	N	Char	1	Superfund Comprehensive Accomplishments Plan Activity
	DTERRA	N	N	Num	8	Date of Emergency Response Activity
	ERAOSC	N	N	Char	20	Emergency Response On-Scene Coordinator
	DTENTRY	N	N	Num	8	Date of Entry
	DTCHNG	N	N	Num	8	Date of Change
	SPILL					
N	SAMELOC	N	N	Char	1	Spill at Caller/Discharger Site
	SCOUNTY	N	N	Char	20	Spill County
	SFIPSCO	N	N	Num	3	Spill Location County Code
	SCITY	N	N	Char	32	Spill City
	SST	Y	N	Char	2	Spill State

ERNS Data Elements (by group)						
Repeat Record?	Element Name	Index?	Sensitive?	Data Type	Length	Long Name
	SZIP	Y	N	Char	10	Spill Zip
	SSTCITY	Y	N	Char	12	Spill Location State/City
	SSTCNTY	Y	N	Char	4	Spill Location State/County Code
	SPLREGN	Y	N	Char	2	EPA Region Where Spill Occurred
	LAT	N	N	Num	6	Latitude
	LONG	N	N	Num	7	Longitude
	LOCATE	Y	N	Num	8	Long/Lat
	QUADLAT	N	N	Char	1	Latitude Quadrant
	QUADLON	N	N	Char	1	Longitude Quadrant
	DISTANC	N	N	Num	5	Distance from City
	CUNITS	N	N	Char	2	Distance from City Units
	COMPASS	N	N	Char	3	Compass Heading
	SECTION	N	N	Char	10	Section
	TOWN	N	N	Char	20	Township
	RANGE	N	N	Char	10	Range
	FIELD	N	N	Char	25	Field ID
	BLOCK	N	N	Char	15	Block ID
	MILPOST	N	N	Char	5	Milepost
MTRLS						
Y	MTRLSEQ (K)	N	N	Num	1	Material Spilled Sequence Number
	CHEMID	Y	N	Num	5	National Transportation System Center Chemical ID
	MATSP	N	N	Char	32	Material Spilled
	CHRIS	Y	N	Char	3	Chemical Hazards Response Info System Code
	UNDOT	Y	N	Char	6	DOT Hazardous Substance Code
	CAS	Y	N	Num	10	Chemical Abstracts Service Registry Number
	QTYSP	Y	N	Num	6	Quantity Spilled
	UNITSP	N	N	Char	3	Quantity Spilled Units
	LBS	Y	N	Num	6	Quantity in Pounds
	QUAW	Y	N	Num	6	Quantity in Water
	UNITSW	N	N	Char	3	Quantity in Water Units
DETLs						
N	CONTANR	N	N	Char	1	Container Type
	TANKCNT	N	N	Num	3	Tank Count
	TANKCAP	N	N	Num	6	Tank Capacity
	TUNITS	N	N	Char	3	Tank Capacity Units
	FACCAP	N	N	Num	6	Facility Capacity
	FUNITS	N	N	Char	3	Facility Capacity Units
	MODE1	N	N	Char	1	Transport Mode 1
	MODE2	N	N	Char	1	Transport Mode 2
	MODE	Y	N	Char	2	Transport Mode (1&2)
	VID	N	N	Char	20	Vehicle ID
	SOURCE	Y	N	Char	2	Source Code
	MAIR	Y	N	Char	1	Medium—Air
	MLAND	Y	N	Char	1	Medium—Land
	MWATER	Y	N	Char	1	Medium—Water
	MGRDWTR	Y	N	Char	1	Medium—Groundwater
	MFAC	Y	N	Char	1	Medium—Facility
	MOTH	Y	N	Char	1	Medium—Other
	MEDCODE	Y	N	Char	2	Medium Code
	MEDDESC	N	N	Char	40	Medium Description
	TRANS	Y	N	Char	1	Transportation Accident
	EQUIP	Y	N	Char	1	Equipment Failure
	OPERR	Y	N	Char	1	Operator Error
	NATURAL	Y	N	Char	1	Natural Phenomenon
	DUMPING	Y	N	Char	1	Dumping

ERNS Data Elements (by group)						
Repeat Record?	Element Name	Index?	Sensitive?	Data Type	Length	Long Name
	UNKNOWN	Y	N	Char	1	Cause Unknown
	COTH	Y	N	Char	1	Other Cause
	CAUSE	Y	N	Char	2	Cause Code
	INJS	Y	N	Num	3	Injuries
	DEATHS	Y	N	Num	3	Deaths
	EVAC	Y	N	Char	1	Evacuation Indicator
	EVACS	Y	N	Num	5	Number of Evacuations
	DAMAGES	Y	N	Char	1	Damage Indicator
	PROPDGMG	Y	N	Num	6	Property Damage Cost
	ROAD	Y	N	Char	1	Road Closure
	FLIGHT	Y	N	Char	1	Flight Pattern Altered
	THREAT1	N	N	Char	2	Threat Code 1
	THREAT2	N	N	Char	2	Threat Code 2
	THREAT3	N	N	Char	2	Threat Code 3
	THREAT4	N	N	Char	2	Threat Code 4
	THREAT5	N	N	Char	2	Threat Code 5
ACTN						
N	CNEPA	N	N	Char	1	EPA Notified by Caller
	CNSTLOC	N	N	Char	1	State Local Government Notified by Caller
	CNDSCH	N	N	Char	1	Discharger Notified by Caller
	CNUSCG	N	N	Char	1	USCG Notified by Caller
	CNOTH	N	N	Char	1	Other Agency Notified by Caller
	CNUNK	N	N	Char	1	Unknown if Parties Notified by Caller
	CNOTIF	N	N	Char	30	Other Agency Notified by Caller
	NTSBHWY	N	N	Char	1	NTSB Highway Administration Notified
	NTSBPIP	N	N	Char	1	NTSB/OPS Notified
	NTSBRR	N	N	Char	1	NTSB/FRA Notified
	RSPA OHM	N	N	Char	1	RSPA/OHM Notified
	RSPAOPS	N	N	Char	1	RSPA/OPS Notified
	DOTFRA	N	N	Char	1	DOT/FRA Notified
	DOTFAA	N	N	Char	1	DOT/FAA Notified
	DOTOMCS	N	N	Char	1	DOT/OMCS Notified
	MISCNRC	N	N	Char	1	Nuclear Regulatory Commission Notified
	MISCDOE	N	N	Char	1	DOE Notified
	MISCFEM	N	N	Char	1	FEMA Notified
	MISC DOD	N	N	Char	1	DOD Notified
	MISCATS	N	N	Char	1	ATSDR Notified
	MISCOSH	N	N	Char	1	OSHA Notified
	MISCTEC	N	N	Char	1	Chemtrec Notified
	AGENCY	N	N	Char	40	Other Agency Notified
	TMOTH	N	N	Num	4	Time Other Agencies Notified
	REGION	Y	N	Char	2	EPA Region Initially Notified
	TMEPA	N	N	Num	4	Time EPA Notified
	CGU	N	N	Char	5	Coast Guard Unit
	TMCGU	N	N	Num	4	Time Coast Guard Notified
	RNAME1	N	N	Char	30	Responding Agency 1
	RNAME2	N	N	Char	30	Responding Agency 2
	RNAME3	N	N	Char	30	Responding Agency 3
	RAGCY1	N	N	Char	1	Responding Agency 1 Code
	RAGCY2	N	N	Char	1	Responding Agency 2 Code
	RAGCY3	N	N	Char	1	Responding Agency 3 Code
	DO	N	N	Char	20	National Response Center Duty Officer
TEXT						
N	ATEXT	N	N	Char	142	Action Text
	DTEXT	N	N	Char	255	Description Text
	LTEXT	N	N	Char	142	Location Text

ERNS Data Elements (by group)						
Repeat Record?	Element Name	Index?	Sensitive?	Data Type	Length	Long Name
	MTEXT	N	N	Char	255	Miscellaneous Text
	MTEXTX	N	N	Char	29	Miscellaneous Text

2.0 ERNS Data Element Definitions

The following is a list of all ERNS data elements and ERNS-derived elements that appear in IDEA. The data elements are listed alphabetically by data element name. Detailed explanations and codes are contained in the appendices.

\$#1HASH (Discharger Organization Index) A single element index that allows users to search the discharger organization name field (DORG) using whole words. Unlike the HASH data element, which searches the discharger organization name hash field (HASHORG) for an occurrence of the four-character name hash, \$#1HASH searches for the whole word. Using this element to search the settlement field name will help eliminate instances of false positives in your search.

AGENCY (Other Agency Notified) A field (up to 40 characters) that identifies the agencies notified of the release by the National Response Center (NRC).

ATEXT (Action Text) A field (up to 142 characters) that contains a description of the response actions taken as a result of a notification.

BLOCK (Block ID) A fifteen-character field that is part of a grid system of areas and blocks used in the Gulf of Mexico by the USCG to determine platform locations as well as sheen sightings. (Used in conjunction with Field ID (FIELD).)

CAS (Chemical Abstract Service (CAS) Registry Number) A ten-digit field that displays the CAS Registry Number for the substance released. ERNS stores information on up to three substances for each report. This field is located in the MATERIALS data group.

CAUSE (Cause Code) A two-character code used to describe the cause of the incident. See Appendix A for Cause codes.

CGU (Coast Guard Unit) A five-character field that identifies the USCG unit that received the release notification from the National Response Center (NRC).

CHEMID (National Transport System Center Chemical ID) A five-digit field that is generated by the Volpe National Transportation System Center (VNTSC) and used to speed cross-referencing to the Agency chemical database. This field is located in the MATERIALS data group.

CHRIS (Chemical Hazards Response Information System Code) A three-character code that identifies the substance released. ERNS stores information on up to three substances for each report. This field is located in the MATERIALS data group.

CNDSCH (Discharger Notified by Caller) A one-character flag that indicates whether or not the discharger was notified of the release by the person reporting the release.

CNEPA (EPA Notified by Caller) A one-character flag that indicates whether or not the USEPA was notified of the release by the person reporting the release.

CNOTH (Other Agency Notified by Caller) A one-character flag that indicates whether or not an agency other than the EPA, USCG, state/local government was notified of the release by the person reporting the release.

CNOTIF (Name of Other Agency Notified by Caller) A field (up to 30 characters) that indicates the name of the agency that was notified by the person reporting the release. This field is populated if the Other Agency Notified by Caller (CNOTH) flag is present.

CNSTLOC (State Local Government Notified by Caller) A one-character flag that indicates whether or not the state/local government was notified by the person reporting the release.

CNUNK (Unknown if Parties Notified by Caller) A one-character flag that indicates that it is unknown whether or not affected parties were notified of the release by the person reporting the release.

CNUSCG (USCG Notified by Caller) A one-character flag that indicates whether or not the US Coast Guard (USCG) was notified of the release by the person reporting the release.

COMPASS (Compass Heading) A three-character field that contains the location of the nearest city to the release, expressed in compass directions.

CONTANR (Container Type) A one-character field that describes the type of container from which the release occurred.

A = Above Ground Container

B = Below Ground Container

U = Unknown

COTH (Other Cause) A one-character field that indicates if the release was due to a cause other than those specifically listed in ERNS. This field is one out of seven logical cause fields in ERNS that include: Dumping (DUMPING), Equipment

Failure (EQUIP), Natural Phenomenon (NATURAL), Operator Error (OPERR), Other Cause (COTH), Transportation Accident (TRANS), and Unknown Cause (UNKNOWN).

CRNO (Continuous Release (CR) Number) A twelve-character field that displays the CR number associated with this report, if applicable. The National Response Center (NRC) assigns an initial CR number. See CRTYPE for more information.

CRTYPE (CR Type) A one-character code that identifies the type of CR being reported. A CR that occurs without interruption or abatement, or that is routine, anticipated, and intermittent and incidental to normal operations or treatment processes. Once an initial CR is reported, only certain types of changes must be reported. See CERCLA section 103(f)(2).

A = Annual Change
B = Baseline Change
C = Change in Source or Composition
I = Initial Report of Continuous Release
S = Statistically Significant Increase in Release

CUNITS (Distance from City Units) A two-character code that indicates the units of distance used in the Distance from City (DISTANC) field.

KM = Kilometers
MI = Miles

DADD (Discharger Address) A field (up to 70 characters) that contains the street address of the Potentially Responsible Party (PRP). This field is located in the DISCHRGER data group.

DAMAGES (Damage Indicator) A one-character flag that indicates whether or not damages were incurred as a result of the release.

DCITY (Discharger City) A field (up to 32 characters) that identifies the city or town in the address of the PRP. This field is located in the DISCHRGER data group.

DCOUNTY (Discharger County) A field (up to 20 characters) that identifies the county in the address of the PRP. This field is located in the DISCHRGER data group.

DEATHS (Deaths) A three-digit field that displays the number of fatalities resulting from the release. These fatalities may either be the result of the accident causing the release or from exposure to the substance released.

DFIPSCO (Discharger County FIPS Code) A three-digit county FIPS code where the discharger resides.

DID (Discharger ID) An eight-digit unique number assigned to each report used in mapping reports to the DISCHRGER data group.

DISTANC (Distance from City) A five-digit number that displays the distance of the release from the nearest city.

DNAME (Discharger Name—Individual) A field (up to 32 characters) that identifies the person considered to be the PRP for the release. This field is located in the DISCHRGER data group.

DO (National Response Center (NRC) Duty Officer) A field (up to 20 characters) that identifies the NRC duty officer who received the report.

DORG (Discharger Organization) A field (up to 32 characters) that identifies the organization considered to be the PRP for the release. This field is located in the DISCHRGER data group.

DORGT (Discharger Organization Type) A two-character code that identifies the type of organization with which the PRP is affiliated. This field is located in the DISCHRGER data group.

FG = Federal Government

LG = Local Government

PC = Private Citizen

PE = Private Enterprise

PU = Public Utility

SG = State Government

UN = Unknown

DOTFAA (Department of Transportation (DOT) Federal Aviation Administration (FAA) Notified) A one-character flag that indicates whether or not the FAA was notified of the release by the agency receiving the release notification.

DOTFRA (DOT Federal Railway Administration (FRA) Notified) A one-character flag that indicates whether or not the FRA was notified of the release by the agency receiving the release notification.

DOTOMCS (DOT Office of Motor Carrier Safety (OMCS) Notified) A one-character flag that indicates whether or not the OMCS was notified of the release by the agency receiving the release notification.

DOWNID (Discharger Owner ID) A nine-digit unique number assigned to the owner of the discharger.

DPH1 (Discharger Phone 1) A seventeen-character field that contains the telephone number, including the area code, of the PRP. A single report may have up to two telephone numbers stored in ERNS.

DPH2 (Discharger Phone 2) A seventeen-character field that contains the telephone number, including the area code, of the PRP. A single report may have up to two telephone numbers stored in ERNS.

DREGION (Discharger Region) A two-digit region code that indicates the region where the PRP is located.

DST (Discharger State) A two-character state abbreviation that indicates where the PRP is located. This field is located in the DISCHARGER data group.

DSTCITY (Discharger State/City Name) A multiple element index that combines the Discharger State Abbreviation (DST) and Discharger City Name (DCITY) into a single field. The first two characters of DSTCNTY display the state abbreviation and the last ten characters of DSTCITY display the first ten characters of the city name.

DSTCNTY (Discharger State/County Code) A multiple element index that combines the Discharger State Abbreviation (DST) and Discharger County Code (DFIPSCO) into a single field. The first two characters of DSTCNTY display the state abbreviation and the last two characters of DSTCNTY display the county FIPS code.

DTCANCL (Date Cancel Letter) A field that indicates the date (YYYYMMDD) that appears on the cancellation letter. This letter is sent by the individual responsible for the release, and states that the release did not meet or exceed the mandated reporting requirements.

DTCHNG (Date of Change) A field that indicates the date (YYYYMMDD) that is used by Volpe National Transportation System Center (VNTSC) to indicate the date that the latest change to the report was made by the USEPA Region.

DTDSCVR (Discovery Date) A field that indicates the date (YYYYMMDD) that the reporting individual discovered the release.

DTENTRY (Date of Entry) A field that indicates the date (YYYYMMDD) that the report was entered into the system.

DTERA (Date of Emergency Response Activity) A field that indicates the date (YYYYMMDD) that the emergency response activity took place.

DTEXT (Description Text) A field (up to 255 characters) that contains a description or additional information on the release.

DTGTYPE (Spill Observation Type) A one-character code that indicates whether or not the release occurred, was planned, or was discovered.

D = Discovered

O = Occurred

P = Planned

DTHC (Date Hardcopy) A field that indicates the date (YYYYMMDD) that the hardcopy of the release report was received by Volpe National Transportation System Center (VNTSC).

DTMEMO (Superfund Action Memo Date) A field that indicates the action memo approval date (YYYYMMDD). An action memo is required prior to expenditure of Superfund money.

DTPOLR (Pollution Report Issued Date) A field that indicates the date (YYYYMMDD) that a pollution report (POLREP) was issued by the Federal on-scene coordinator (OSC), if a POLREP was issued.

DTRPT * (Report Date) A field that indicates the date (YYYYMMDD) when the report was received by the () or an EPA Region.

DTSPI (Date Spill) A field that indicates the date (YYYYMMDD) that the release was reported to have occurred.

DUMPING (Dumping) A one-character flag that indicates whether or not the release was caused by dumping. This field is one out of seven logical cause fields in ERNS that include: Dumping (DUMPING), Equipment Failure (EQUIP), Natural Phenomenon (NATURAL), Operator Error (OPERR), Other Cause (COTH), Transportation Accident (TRANS), and Unknown Cause (UNKNOWN).

DUNS (Dun & Bradstreet Number) A twelve-character DUNS number of the organization responsible for the release. The DUNS number is assigned by the

* These elements are still in the review process and have yet to be confirmed by the data experts. Future modifications will be posted on the IDEA web site.

Dun & Bradstreet database. Dun & Bradstreet is a voluntary national business registry that is available to the public for a fee.

DZIP (Discharger Zip) A field containing the five- or nine-digit postal code of the area where the PRP is located.

ENF1 (Enforcement Activity Code 1) A two-character code that describes the enforcement activity that took place as a result of the discharge. There may be up to five enforcement activity codes listed. See Appendix B for Enforcement Activity codes.

ENF2 (Enforcement Activity Code 2) A two-character code that describes the enforcement activity that took place as a result of the discharge. There may be up to five enforcement activity codes listed. See Appendix B for Enforcement Activity codes.

ENF3 (Enforcement Activity Code 3) A two-character code that describes the enforcement activity that took place as a result of the discharge. There may be up to five enforcement activity codes listed. See Appendix B for Enforcement Activity codes.

ENF4 (Enforcement Activity Code 4) A two-character code that describes the enforcement activity that took place as a result of the discharge. There may be up to five enforcement activity codes listed. See Appendix B for Enforcement Activity codes.

ENF5 (Enforcement Activity Code 5) A two-character code that describes the enforcement activity that took place as a result of the discharge. There may be up to five enforcement activity codes listed. See Appendix B for Enforcement Activity codes.

EQUIP (Equipment Failure) A one-character flag that indicates whether or not the release was caused by equipment failure. This field is one out of seven logical cause fields in ERNS that include: Dumping (DUMPING), Equipment Failure (EQUIP), Natural Phenomenon (NATURAL), Operator Error (OPERR), Other Cause (COTH), Transportation Accident (TRANS), and Unknown Cause (UNKNOWN).

ERACTVT (Superfund Comprehensive Accomplishments Plan (SCAP) Activity) A one-character field that indicates if the emergency response activity was defined by the SCAP.

ERAOSC (Emergency Response On-Scene Coordinator (OSC)) A field (up to 20 characters) that identifies the OSC who responded to the release.

ERRC (Data Error Code) A one-character field that displays an internal code used by Hazardous Material Information System (HMIS) to indicate a failure in either uploading or translating the data.

EVAC (Evacuation Indicator) A one-character flag that indicates whether or not people were evacuated as a result of the release.

EVACS (Number of Evacuations) A five-character field that displays the number of people evacuated because of the release. This field is populated when the Evacuation Indicator (EVAC) is present.

FACCAP (Facility Capacity) A six-digit field that displays the capacity of the facility involved in the release.

FIELD (Field ID) A field (up to 25 characters) that is part of a grid system of areas and blocks used in the Gulf of Mexico by the U.S. Coast Guard to determine platform locations as well as sheen sightings. (Used in conjunction with Block ID (BLOCK) field.)

FLIGHT (Flight Pattern Altered) A one-character field that indicates whether or not the operational flight pattern or routine of an aircraft was altered because of the release.

FOLLWCT (Count of Report Updates) A three-digit number that indicates the number of times that the report has been updated. This number is hidden to the user.

FOLLWUP (Follow-Up Codes) A five-character field that indicates the type of update that was made, if an update has been made to the original report (e.g. typographical correction, data correction, or information resulting from an EPA response action.)

FUNITS (Facility Capacity Units) A three-character code that displays the units of measure used in the Facility Capacity (FACCAP) field.

BBL = Barrels

GAL = Gallons

LBS = Pounds

TON = Tons

UNK = Unknown

HASH (Discharger Organization Hash Index) A single element index that allows the user to search the Organization Name Hash (HASHORG) field for any four-

letter hash word in organization hash name regardless of its position in the HASHORG field.

HASHORG (Discharger Organization Hash) A field that contains the hash name of the Discharger Organization (DORG). The hash name includes the first letter of each word in the organization name and the next three consonants thereafter. The hash name excludes vowels unless one occurs in the first letter in a name. If the word contains consecutive double consonants (e.g., bottle), only one is included in the hash name (e.g., btl). Each word of the organization name occupies four characters of the HASHORG field; spaces are inserted for those words whose hash name is not four characters long. The HASHORG field may contain hashes for up to 25 words in an organization name.

HMIS (Hazardous Material Information System (HMIS) Code) A three-character field that displays an internal code used by Hazardous Material Information System HMIS.

INIT (Initial Report) A one-character flag that indicates whether or not the release report in ERNS is an initial report.

INJS (Injuries) A three-digit number that identifies the number of injuries resulting from the release. These injuries may either be the result of the accident causing the release or from exposure to the materials/substances released.

INVEST (Release Investigation) A one-character flag that indicates whether or not a USEPA release investigation has taken place.

ISTAT (Incident Status Code) A two-character code that indicates the incident status.

CL = Classic Incident
CR = Critical Incident
FS = Field Simulation
NA = No Further Action
NC = Non-Critical Incident
RA = Remedial Action

JURI (Jurisdiction) A two-digit code for the USEPA Region that has jurisdiction if the release occurred in an area overlapping two USEPA Regions.

LAT (Latitude) A six-digit field that contains the latitude coordinates of the geographic location of the release as expressed in degrees.

LBS (Quantity in Pounds) A six-digit number that indicates the quantity of the substance released, converted into pounds. This conversion is done so that the substance

released can be readily compared to standard RQ levels. ERNS stores information on up to three of these quantities for each report.

LOCATE (Long/Lat) A multiple element index that combines the Longitude (LONG) coordinates and the Latitude (LAT) coordinates into a single field. The first four digits of LOCATE display the longitude coordinates and the last four digits of LOCATE display the latitude coordinates.

LONG (Longitude) A seven-digit field that contains the longitude coordinates of the geographic location of the release as expressed in degrees.

LTEXT (Location Text) A field (up to 142 characters) that contains miscellaneous location information on the release.

MAIR (Medium—Air) A one-character flag that indicates whether or not the release affected the air. This field is one of a group of six logical medium fields in ERNS that include: Facility (MFAC), Groundwater (MGRDWTR), Land (MLAND), Water (MWATER), Air (MAIR), Other (MOTH).

MATS (Materials Released Indicator) A one-character flag that indicates whether or not any substances were actually released.

MATSP (Material Spilled) A field (up to 32 characters) that identifies the name of the substance or substances released. ERNS stores information on up to three substances for each release. This field is located in the MATERIAL data group.

MCASE * (Multiple Case Number) A twelve-character field that displays the regional case number initially assigned by the USEPA Region.

MCASEID * (Multiple Case ID) An eight-digit field that displays the multiple case identification number used in the USEPA Region.

MEDCODE (Medium Code) A two-character code that describes the medium to which the substance(s) was released. See Appendix C for Medium Codes.

MEDDESC (Medium Description) A field (up to 40 characters) that describes, in further detail, the medium to which the substance(s) was released.

* These elements are still in the review process and have yet to be confirmed by the data experts. Future modifications will be posted on the IDEA web site.

MEMAPPR (Superfund Action Memo Approved) A one-character flag that indicates whether or not the action memo was approved. An action memo is required prior to the expenditure of Superfund money.

MFAC (Medium—Facility) A one-character flag that indicates whether or not the release is contained within the fixed facility. This field is one of a group of six logical medium fields in ERNS that include: Facility (MFAC), Groundwater (MGRDWTR), Land (MLAND), Water (MWATER), Air (MAIR), Other (MOTH).

MGRDWTR (Medium—Groundwater) A one-character flag that indicates whether or not the release affected the groundwater. This field is one of a group of six logical medium fields in ERNS that include: Facility (MFAC), Groundwater (MGRDWTR), Land (MLAND), Water (MWATER), Air (MAIR), Other (MOTH).

MILPOST (Milepost) A five-character field that displays the highway or waterway mile marker number where the release occurred.

MISCATS (Agency for Toxic Substances and Disease Registry (ATSDR) Notified) A one-character flag that indicates whether or not the ATSDR was notified of the release by the agency receiving the release notification.

MISCODOD (Department of Defense (DOD) Notified) A one-character flag that indicates whether or not the DOD was notified of the release by the agency receiving the release notification.

MISCDOE (Department of Energy (DOE) Notified) A one-character flag that indicates whether or not the DOE was notified of the release by the agency receiving the release notification.

MISCFEM (Federal Emergency Management Agency (FEMA) Notified) A one-character flag that indicates whether or not the FEMA was notified of the release by the agency receiving the release notification.

MISCNRC (Nuclear Regulatory Commission (NRC) Notified) A one-character flag that indicates whether or not the NRC was notified of the release by the agency receiving the release notification.

MISCOSH (Occupational Safety and Health Administration (OSHA) Notified) A one-character flag that indicates whether or not the OSHA was notified of the release by the agency receiving the release notification.

MISCTEC (Chemical Transportation Emergency Center (CHEMTREC) Notified) A one-character flag that indicates whether or not the CHEMTREC, an emergency information center sponsored by the chemical industry, was notified of the release by the agency receiving the release notification.

MLAND (Medium—Land) A one-character flag that indicates whether or not the release affected land. This field is one of a group of six logical medium fields in ERNS that include: Facility (MFAC), Groundwater (MGRDWTR), Land (MLAND), Water (MWATER), Air (MAIR), Other (MOTH).

MODE (Transport Mode Index) A multiple element index that combines Transport Mode fields 1 and 2 (MODE1 and MODE2) into a single field. The first character of MODE displays the Transport Mode 1 code and the second character of MODE displays the Transport Mode 2 code. The MODE field allows the user to retrieve both fields simultaneously. See Appendix D for Modes of Transportation.

MODE1 (Transport Mode 1) A one-character code indicating the type of transportation involved with the release. A single report may have up to two transportation mode codes stored in ERNS. See Appendix D for Modes of Transportation.

MODE2 (Transport Mode 2) A one-character indicating the type of transportation involved with the release. A single report may have up to two transportation mode codes stored in ERNS. See Appendix D for Modes of Transportation.

MONITOR (On-Scene Monitoring) A one-character flag that indicates whether or not the release required on-scene monitoring.

MOTH (Medium—Other) A one-character flag that indicates whether or not media, other than those listed specifically in ERNS, were affected. This field is one of six logical medium fields in ERNS that include: Facility (MFAC), Groundwater (MGRDWTR), Land (MLAND), Water (MWATER), Air (MAIR), Other (MOTH).

MREPCNT (Multiple Report Count) A three-digit number that indicates the number of reports received for a single release event.

MTEXT (Miscellaneous Text) A field (up to 255 characters) that describes miscellaneous information on the release.

- MTEXTX** * (Miscellaneous Text) A field (up to 29 characters) that describes miscellaneous information on the release.
- MTRLSEQ** (Material Spilled Sequence Number) A two-digit sequence number that uniquely identifies multiple materials/substances that were spilled during the release.
- MUD** (Most Up-To-Date Report) A one-character flag that indicates whether or not the report is the most recently updated version.
- MULT** (Multiple Report Indicator) A one-character flag that indicates whether or not the report is part of a multiple report group.
- MWATER** (Medium—Water) A one-character flag that indicates whether or not the release affected water. This field is one of six logical medium fields in ERNS that include: Facility (MFAC), Groundwater (MGRDWTR), Land (MLAND), Water (MWATER), Air (MAIR), Other (MOTH).
- NATURAL** (Natural Phenomenon) A one-character flag that indicates whether or not the release was caused by a natural phenomenon. This field is one of seven logical cause fields in ERNS that include: Dumping (DUMPING), Equipment Failure (EQUIP), Natural Phenomenon (NATURAL), Operator Error (OPERR), Other Cause (COTH), Transportation Accident (TRANS), and Unknown Cause (UNKNOWN).
- NTSBHWY** (National Transportation Safety Board (NTSB) Highway Administration Notified) A one-character flag that indicates whether or not the NTSB was notified of the release by the agency receiving the release notification.
- NTSBPIP** (NTSB/OPS Notified) A one-character flag that indicates whether or not the National Transportation Safety Board (NTSB) or the Office of Pipeline Safety (OPS) was notified of the release by the agency receiving the release notification.
- NTSBRR** (NTSB/FRA Notified) A one-character flag that indicates whether or not the National Transportation Safety Board (NTSB) or Federal Railway Administration (FRA) was notified of the release by the agency receiving the release notification.
- OPERR** (Operator Error) A one-character flag that indicates whether or not the release was caused by operator error. This field is one out of seven logical cause fields in ERNS that include: Dumping (DUMPING), Equipment Failure (EQUIP), Natural Phenomenon (NATURAL), Operator Error (OPERR), Other Cause

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(COTH), Transportation Accident (TRANS), and Unknown Cause (UNKNOWN).

OWNID (Unique Identifier) A nine-digit unique sequential number assigned by the computer to each report.

PHONAST (Telephone Assistance) A one-character flag that indicates whether or not the USEPA provided any form of guidance to an outside agency or discharger over the phone.

PROPDMG (Property Damage Cost) A six-digit number that displays the estimated cost of the property damages resulting from the release.

QTYSP (Quantity Spilled) A six-digit number that displays the total quantity of the substance released. ERNS stores information on up to three of these quantities for each report.

QUADLAT (Latitude Quadrant) A one-character field that identifies the quadrant of latitude where the release occurred.

QUADLON (Longitude Quadrant) A one-character field that identifies the quadrant of longitude where the release occurred.

QUAW (Quantity in Water) A six-digit number that displays the amount of the substance released into the water. ERNS stores information on up to three of these quantities for each report.

RAGCY1 (Responding Agency 1 Code) A one-character code used to describe the agency responding to the release. ERNS stores information on multiple agencies for each release. A single report may have up to three agency codes stored in ERNS.

D = Discharger
E = USEPA
F = Federal
L = Local
O = Other
S = State
U = Unknown

RAGCY2 (Responding Agency 2 Code) A one-character code used to describe the agency responding to the release. ERNS stores information on multiple agencies for each release. A single report may have up to three agency codes stored in ERNS.

D = Discharger
E = USEPA
F = Federal
L = Local
O = Other
S = State
U = Unknown

RAGCY3 (Responding Agency 3 Code) A one-character code used to describe the agency responding to the release. ERNS stores information on multiple agencies for each release. A single report may have up to three agency codes stored in ERNS.

D = Discharger
E = USEPA
F = Federal
L = Local
O = Other
S = State
U = Unknown

RANGE (Range) A ten-character field that identifies the geographic survey description used in some states, expressed in geographic range.

REGION (EPA Region Initially Notified) A two-character field that displays the USEPA Region which (1) directly received the initial report, or (2) was notified of the incident by the National Response Center (NRC).

RNAME (EPA Reporting Source Agency Name) A field (up to 20 characters) that displays the name of the agency which was first to receive the report.

RNAME1 (Responding Agency 1) A field (up to 30 characters) that displays the agency responding to the release. ERNS stores information on multiple agencies for each release. A single report may have the names of up to three agencies stored in ERNS.

RNAME2 (Responding Agency 2) A field (up to 30 characters) that displays the agency responding to the release. ERNS stores information on multiple agencies for each release. A single report may have the names of up to three agencies stored in ERNS.

RNAME3 (Responding Agency 3) A field (up to 30 characters) that displays the agency responding to the release. ERNS stores information on multiple agencies for

each release. A single report may have the names of up to three agencies stored in ERNS.

RNO (Report Number) A twelve-character field that displays a number assigned by the agency that received the request.

RNO2 * (Case Number Assigned to Regional Report) A twelve-character field that displays a case number assigned by the agency to a regional report.

ROAD (Road Closure) A one-character flag that indicates whether or not the incident forced one or more major transportation arteries to be closed for one or more hours.

RPTBL (Reportable) A one-character code that indicates whether or not the spill met the reporting requirements of the Department of Transportation's (DOT) Office of Hazardous Materials Safety (OHMS) for all transportation related reports.

E = Enforcement Action Required

L = Cancellation Letter Filed

W = Met Reporting Requirements

RSOURCE (EPA Reporting Source Agency Type) A one-character code that indicates the type of agency from which the report was received.

C = U.S. Coast Guard

E = EPA Region

F = Other Federal Agency

M = News Media

N = National Response Center (NRC)

S = State Agency

RSPA OHM (RSPA/OHM Notified) A one-character flag that indicates whether or not the Research and Special Programs Administration (RSPA) or the Office of Hazardous Materials (OHM) was notified of the release by the agency receiving notification.

RSPA OPS (RSPA/OPS Notified) A one-character flag that indicates whether or not the Research and Special Programs Administration (RSPA) or the Office of Pipeline Safety (OPS) was notified of the release by the agency receiving notification.

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SAMELOC (Spill at Caller/Discharger Site) A one-character code that indicates whether or not the release occurred in the same location as the caller or discharger.

A = Caller

B = Discharger

SCITY (Spill City) A field (up to 32 characters) that identifies the city where the release occurred.

SCOUNTY (Spill County) A field (up to 20 characters) that identifies the county where the release occurred.

SECTION (Section) A ten-character field that contains the geographic survey description used in some states, as expressed on geographic section.

SFIPSCO (Spill Location County Code) The three-digit county FIPS code of the county where the spill occurred.

SOURCE (Source Code) A two-character code that indicates the source of the release. See Appendix E for Source codes.

SPILLER (Caller is Discharger) A one-character flag that indicates whether or not the person reporting the release is the person responsible for the release.

SPLREGN (EPA Region Where Spill Occurred) The two-digit code of the USEPA Region where the spill occurred.

SRC (Agency Receiving Initial Report) A two-character field that indicates if the National Response Center (NRC), USEPA, or the Marine Safety Information System (MSIS) received the initial report.

E = U.S. EPA

M = Marine Safety Information System (MSIS)

N = National Response Center (NRC)

SST (Spill State) A two-character state postal abbreviation of the state where the release occurred.

SSTCITY (Spill Location State/City) A multiple element index that combines the Spill State Abbreviation (SST) and Spill City Name (SCITY) into a single field. The first two characters of SSTCITY display the state abbreviation and the last ten characters of SSTCITY display the first ten characters of the city name.

SSTCNTY (Spill Location State/County) A multiple element index that combines the Spill State Abbreviation (SST) and Spill County Code (SFIPSCO) into a single

field. The first two characters of SSTCNTY display the state abbreviation and the last two characters of SSTCNTY display the county FIPS code.

STATE (ID State) A two-character field that displays the state abbreviation of the state where the release occurred.

SZIP (Spill Zip) A field containing the five- or nine-digit zip code where the release occurred.

TANKCAP (Tank Capacity) A six-digit number that displays the capacity of the storage tank involved in the release, if a storage tank was involved.

TANKCNT (Tank Count) A three-digit number that displays the number of storage tanks at the facility where the release occurred.

TDDNBR (Technical Direction Documentation Number) A nine-character field that indicates the technical direction document number that corresponds to the work conducted by the Technical Assistance Team (TAT) at the incident location.

THREAT1 (Threat Code 1) A two-character code that indicates if the release has caused, or has the potential to cause, threats of harm to public health, property, or the environment. A single report may have up to five codes stored in ERNS. See Appendix F for Threat codes.

THREAT2 (Threat Code 2) A two-character code that indicates if the release has caused, or has the potential to cause, threats of harm to public health, property, or the environment. A single report may have up to five codes stored in ERNS. See Appendix F for Threat codes.

THREAT3 (Threat Code 3) A two-character code that indicates if the release has caused, or has the potential to cause, threats of harm to public health, property, or the environment. A single report may have up to five codes stored in ERNS. See Appendix F for Threat codes.

THREAT4 (Threat Code 4) A two-character code that indicates if the release has caused, or has the potential to cause, threats of harm to public health, property, or the environment. A single report may have up to five codes stored in ERNS. See Appendix F for Threat codes.

THREAT5 (Threat Code 5) A two-character code that indicates if the release has caused, or has the potential to cause, threats of harm to public health, property, or the environment. A single report may have up to five codes stored in ERNS. See Appendix F for Threat codes.

TMCGU * (Time Coast Guard Notified) A four-digit number that displays the local time (Eastern Time) that the report was passed on to the USCG, based on 24 hour military time.

TMEPA * (Time EPA Notified) A four-digit number that displays the local time (Eastern Time) that the report was passed on to the USEPA, based on 24 hour military time.

TMOTH * (Time Other Agencies Notified) A four-digit number that displays the local time (Eastern Time) that the report was passed on to other agencies, based on 24 hour military time.

TMRPT * (Report Time) A four-digit number that displays the local time (Eastern Time), that the report was received by the OUSEPA Region, based on 24 hour military time.

TMSPI * (Time Spill) A four-digit number that displays the local time (Eastern Time) the incident occurred, based on 24 hour military time.

TOWN (Township) A field (up to 20 characters) that contains the geographic survey description used in some states, expressed in geographic townships.

TRANS (Transportation Accident) A one-character flag that indicates whether or not the release was caused by a transportation-related accident. This field is one out of seven logical cause fields in ERNS that include: Dumping (DUMPING), Equipment Failure (EQUIP), Natural Phenomenon (NATURAL), Operator Error (OPERR), Other Cause (COTH), Transportation Accident (TRANS), and Unknown Cause (UNKNOWN).

TRANSNR * (EPA Unique Identifier) A field (up to 20 characters) that uniquely identifies a transportation-released accident.

TUNITS (Tank Capacity Units) A three-character code that indicates the units of measure used in the Tank Capacity (TANKCAP) field.

BBL = Barrels
GAL = Gallons

* These elements are still in the review process and have yet to be confirmed by the data experts. Future modifications will be posted on the IDEA web site.

LBS = Pounds
TON = Tons
UNK = Unknown

UNDOT (DOT Hazardous Substance Code) A six-character code issued by the US Department of Transportation (DOT) to be displayed on vehicles transporting hazardous substances. These codes are used to identify substances in case of a spill. A single report may have up to three substances stored in ERNS.

UNITSP (Quantity Spilled Unit) A three-character code that indicates the units of measure used in the Quantity Spilled (QTYSP) field.

BBL = Barrels
GAL = Gallons
LBS = Pounds
NON = None
OTH = Other
TON = Tons
UNK = Unknown

UNITSW (Quantity in Water Units) A three-character code that indicates the units of measure used in the Quantity in Water (QUAW) field.

BBL = Barrels
GAL = Gallons
LBS = Pounds
NON = None
OTH = Other
TON = Tons
UNK = Unknown

UNKNOWN (Cause Unknown) A one-character flag that indicates whether or not the release was due to an unknown cause. This field is one of a group of seven logical cause fields in ERNS that include: Dumping (DUMPING), Equipment Failure (EQUIP), Natural Phenomenon (NATURAL), Operator Error (OPERR), Other Cause (COTH), Transportation Accident (TRANS), and Unknown Cause (UNKNOWN).

VID (Vehicle ID) A field (up to 20 characters) that displays the vehicle identification number of the vehicle involved in the incident, if the incident was transportation related.

Appendix A

Cause Codes

Valid Cause Codes include:

Cause Codes	
Code	Description
AA	Overturning
AB	Collision
AC	Fire
AD	Explosion
AE	Grounding
AF	Sinking
AG	Derailment
AH	Pipeline Blowout
BA	Broken Containers
BB	Tank or Container
BC	Valve
BD	Flange
BE	Hose
BF	Fitting
BG	Alarm
BH	Automatic Shutoff
BJ	Dike
BK	Hull
BL	Well Head
BM	Flow Line
BN	Pipeline
BO	Manifold
BP	Structural
BQ	Weld
BR	Container Leak
BS	Lact Upset
BT	Treater Upset
BU	Power Failure
BV	Power Oil Line
CA	Improper Maintenance
CB	Improper Operation
CC	Improper Hose Connection
CD	Improper Secured Flag
CE	Improper Storage/Handling
CF	Improper Design
CG	Improper Training
CH	Improper Communication
CI	Improper Value Handling
CJ	Overflow
CK	Failure to Shutdown
DA	Flooding
DB	Freezing
DC	Wind
DD	Natural Seepage
DE	Rain or Snow

Cause Codes	
Code	Description
DF	Lightning
EA	Improper Disposal
EB	Deliberate
FA	Unknown
GA	Vandalism
GB	Sabotage

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Appendix B

Enforcement Activity Codes

Valid Enforcement Action Codes include:

Enforcement Action Codes	
Code	Description
AC	Administrative Order on Consent
AN	RD/RA Negotiations
AV	Administrative/Voluntary Cost Recovery
CA	Consent Agreement
CB	Claim on Bankruptcy Proceeding
CD	Consent Decree
CL	Section 106/107 Litigation
DD	Issue Cost Recovery Decision Document Not to Sue
DL	Issue Demand Letters
FA	Federal Memorandum of Agreement
FC	Federal Compliance Agreement
FI	Federal Interagency Agreement
FN	RI/FS Negotiations
FU	Federal Memorandum of Understanding
IL	Issue Information Request Letters (104E)
JG	Judgement
NB	Non-binding Allocation of Responsibility
NE	Cost Recovery Negotiations
NI	Issue Notice Letters
NS	NPL RP Search
NW	Issue Notice of s122 Waiver
PC	Prepare Cost Documentation Package
PI	Preliminary Injunction
RN	Removal Negotiations
RP	Non-NPL Removal RP Search
SN	Issue Special Notice
SV	Section 107 Litigation
SX	Section 106 Litigation
TE	Temporary Restraining Order
UA	Unilateral Administrative Order

Appendix C

Medium Codes

Valid Medium Codes include:

Medium Codes	
Code	Description
AA	Explosion
AB	Evaporation
AC	Sublimation
AD	Spray
BA	Ground
BB	Roadway
BC	Parking Lot
BD	Concrete
BE	Beach Water
CA	Stream
CB	River
CC	Sewer
CD	Lake
CE	Pond
CF	Ditch
CG	Reservoir
CH	Canal
CI	Ocean
CJ	Estuary
CK	Inlet
CL	Creek
CM	Irrigation
DA	Well
DB	Aquifer
EA	Within Building
EB	Within Processing System
EC	On Concrete or Asphalt
ED	On Ground

Appendix D

Modes of Transportation

Valid Modes of Transportation codes include:

Modes of Transportation	
Code	Description
A	Air Transport Related
F	Fixed Facility
G	Rail/Highway Crossing
H	Highway Related
M	Marine – released from marine vessel to inland waterway. (NRC)
O	Offshore – spilled off the coast
P	Pipeline Related
R	Railroad
S	Underground Storage Tank
U	Unknown (EPA Regions)
V	Marine Vessel (EPA Regions)
X	Unknown (NRC)

Appendix E

Source Codes

Valid Source Codes include:

Source Codes	
Code	Description
AA	Dry Cargo
AB	Liquid Cargo
AC	Vehicle Fuel Tank
BA	Pick Up
BB	Platform
BC	Van or Panel
BD	Dump
BE	Tractor Trailer
BF	Tank
CA	Airplane Fuel Tank
CB	Airplane Cargo
DA	Locomotive Fuel Tank
DB	Tank Car
DC	Flat Car
DD	Hopper Car
DE	Refrigerator Car
DF	Dry Cargo
DG	Liquid Cargo
EA	Dry Cargo
EB	Liquid Cargo
EC	Vessel Fuel Tank
FA	Private Boat
FB	Commercial
FC	Tow Board
FD	Tug Boat
FE	Roll-on/Roll-off Cargo Vessel
FF	Containerized
FG	Tanker
FH	Barge
GA	Plant
GB	Distributor
GC	Plant Piping
GD	Production
GE	Refining
GF	Power Plant
GG	Hazardous Waste
GH	Transformer
GI	Railroad Yard
GJ	Consumer
GK	Underground Storage Tank
GL	Gasoline Station
GM	Water Treatment
HA	Lines
HB	Pumping Station
HC	Inlet

Source Codes	
Code	Description
HD	Outlet
HE	Valve or Fitting
IA	Production
IB	Storage
IC	Transport (to Shore Only)
ID	Equipment
JA	Air Release

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Appendix F

Threat Codes

Threat Codes	
Code	Description
AC	Air Contamination
DG	Direct Contact: Ingestion
DH	Direct Contact: Inhalation
DS	Direct Contact: Skin
DU	Direct Contact: Non-specific
DW	Drinking Water Contamination
EC	Ecological Damage
FE	Fire/Explosion Hazard
GW	Groundwater Contamination
OH	Other
SC	Soil Contamination
SW	Surface Water Contamination
WC	Wetlands Contamination

Attachment 1

ERNS Data Elements (by data element name)

The following table displays the data element in ERNS according to data element name.

ERNS Data Elements (by data element name)						
Element Name	Group	Index?	Sensitive?	Data Type	Length	Long Name
\$#1HASH	DSCHG	Y	N	Char	18	Discharger Organization Index
AGENCY	ACTN	N	N	Char	40	Other Agency Notified
ATEXT	TEXT	N	N	Char	142	Action Text
BLOCK	SPILL	N	N	Char	15	Block ID
CAS	MTRLS	Y	N	Num	10	Chemical Abstracts Service Registry Number
CAUSE	DETLS	Y	N	Char	2	Cause Code
CGU	ACTN	N	N	Char	5	Coast Guard Unit
CHEMID	MTRLS	Y	N	Num	5	National Transportation System Center Chemical ID
CHRIS	MTRLS	Y	N	Char	3	Chemical Hazards Response Info System Code
CNDSCH	ACTN	N	N	Char	1	Discharger Notified by Caller
CNEPA	ACTN	N	N	Char	1	EPA Notified by Caller
CNOTH	ACTN	N	N	Char	1	Other Agency Notified by Caller
CNOTIF	ACTN	N	N	Char	30	Other Agency Notified by Caller
CNSTLOC	ACTN	N	N	Char	1	State Local Government Notified by Caller
CNUNK	ACTN	N	N	Char	1	Unknown if Parties Notified by Caller
CNUSCG	ACTN	N	N	Char	1	USCG Notified by Caller
COMPASS	SPILL	N	N	Char	3	Compass Heading
CONTANR	DETLS	N	N	Char	1	Container Type
COTH	DETLS	Y	N	Char	1	Other Cause
CRNO	REPT	Y	N	Char	12	Continuous Release Number
CRTYPE	REPT	Y	N	Char	1	Continuous Release Type
CUNITS	SPILL	N	N	Char	2	Distance from City Units
DADD	DSCHG	N	N	Char	70	Discharger Address
DAMAGES	DETLS	Y	N	Char	1	Damage Indicator
DCITY	DSCHG	N	N	Char	32	Discharger City
DCOUNTY	DSCHG	N	N	Char	20	Discharger County
DEATHS	DETLS	Y	N	Num	3	Deaths
DFIPSCO	DSCHG	N	N	Num	3	Discharger County FIPS Code
DID	REPT1	N	N	Num	8	Discharger ID
DISTANC	SPILL	N	N	Num	5	Distance from City
DNAME	REPT	N	N	Char	32	Discharger Name (Individual)
DO	ACTN	N	N	Char	20	National Response Center Duty Officer
DORG	DSCHG	N	N	Char	32	Discharger Organization
DORGT	DSCHG	Y	N	Char	2	Discharger Organization Type
DOTFAA	ACTN	N	N	Char	1	DOT/FAA Notified
DOTFRA	ACTN	N	N	Char	1	DOT/FRA Notified
DOTOMCS	ACTN	N	N	Char	1	DOT/OMCS Notified
DOWNID(K)	DSCHG	N	N	Num	9	Discharger Owner ID
DPH1	DSCHG	N	N	Char	17	Discharger Phone 1
DPH2	DSCHG	N	N	Char	17	Discharger Phone 2
DREGION	DSCHG	Y	N	Char	2	Discharger Region
DST	DSCHG	Y	N	Char	2	Discharger State
DSTCITY	DSCHG	Y	N	Char	12	Discharger State/City
DSTCNTY	DSCHG	Y	N	Char	4	Discharger State/County
DTCANCL	REPT	N	N	Num	8	Date Cancel Letter
DTCHNG	REPT	N	N	Num	8	Date of Change

ERNS Data Elements (by data element name)						
Element Name	Group	Index?	Sensitive?	Data Type	Length	Long Name
DTDSCVR	REPT	Y	N	Num	8	Discovery Date
DTENTRY	REPT	N	N	Num	8	Date of Entry
DTERRA	REPT	N	N	Num	8	Date of Emergency Response Activity
DTEXT	TEXT	N	N	Char	255	Description Text
DTGTYPE	REPT	N	N	Char	1	Spill Observation Type
DTHC	REPT	N	N	Num	8	Date Hardcopy
DTMEMO	REPT	N	N	Num	8	Superfund Action Memo Date
DTPOLR	REPT	N	N	Num	8	Pollution Report Issued Date
DTRPT	REPT2	Y	N	Num	8	Report Date
DTSPI	REPT	Y	N	Num	8	Date Spill
DUMPING	DETLs	Y	N	Char	1	Dumping
DUNS	DSCHG	Y	N	Char	12	Dun & Bradstreet Number
DZIP	DSCHG	Y	N	Char	10	Discharger ZIP
ENF1	REPT	N	N	Char	2	Enforcement Activity Code 1
ENF2	REPT	N	N	Char	2	Enforcement Activity Code 2
ENF3	REPT	N	N	Char	2	Enforcement Activity Code 3
ENF4	REPT	N	N	Char	2	Enforcement Activity Code 4
ENF5	REPT	N	N	Char	2	Enforcement Activity Code 5
EQUIP	DETLs	Y	N	Char	1	Equipment Failure
ERACTVT	REPT	N	N	Char	1	Superfund Comprehensive Accomplishments Plan Activity
ERAOSC	REPT	N	N	Char	20	Emergency Response On-Scene Coordinator
ERRC	REPT	N	N	Char	1	Data Error Code
EVAC	DETLs	Y	N	Char	1	Evacuation Indicator
EVACS	DETLs	Y	N	Num	5	Number of Evacuations
FACCAP	DETLs	N	N	Num	6	Facility Capacity
FIELD	SPILL	N	N	Char	25	Field ID
FLIGHT	DETLs	Y	N	Char	1	Flight Pattern Altered
FOLLWCT	REPT	N	N	Num	3	Count of Report Updates
FOLLWUP	REPT	N	N	Char	5	Follow-Up Codes
FUNITS	DETLs	N	N	Char	3	Facility Capacity Units
HASH	DSCHG	Y	N	Char	4	Discharger Organization Hash Index
HASHORG	DSCHG	N	N	Char	64	Discharger Organization Hash
HMIS	REPT	N	N	Char	3	Hazardous Material Information System (HMIS) Code
INIT	REPT	Y	N	Char	1	Initial Report
INJS	DETLs	Y	N	Num	3	Injuries
INVEST	REPT	Y	N	Char	1	Release Investigation
ISTAT	REPT	Y	N	Char	1	Incident Status
JURI	REPT	Y	N	Char	1	Jurisdiction
LAT	SPILL	N	N	Num	6	Latitude
LBS	MTRLs	Y	N	Num	6	Quantity in Pounds
LOCATE	SPILL	Y	N	Num	8	Long/Lat
LONG	SPILL	N	N	Num	7	Longitude
LTEXT	TEXT	N	N	Char	142	Location Text
MAIR	DETLs	Y	N	Char	1	Medium—Air
MATS	REPT	N	N	Char	1	Materials Released Indicator
MATSP	MTRLs	N	N	Char	32	Material Spilled
MCASE	REPT	Y	N	Char	12	Multiple Case Number
MCASEID	REPT	Y	N	Num	8	Multiple Case ID
MEDCODE	DETLs	Y	N	Char	2	Medium Code
MEDDESC	DETLs	N	N	Char	40	Medium Description
MEMAPPR	REPT	N	N	Char	1	Superfund Action Memo Approved
MFAC	DETLs	Y	N	Char	1	Medium—Facility

ERNS Data Elements (by data element name)						
Element Name	Group	Index?	Sensitive?	Data Type	Length	Long Name
MGRDWTR	DETLS	Y	N	Char	1	Medium—Groundwater
MILPOST	SPILL	N	N	Char	5	Milepost
MISCATS	ACTN	N	N	Char	1	ATSDR Notified
MISCDOD	ACTN	N	N	Char	1	DOD Notified
MISCDOE	ACTN	N	N	Char	1	DOE Notified
MISCFEM	ACTN	N	N	Char	1	FEMA Notified
MISCNRC	ACTN	N	N	Char	1	Nuclear Regulatory Commission Notified
MISCOSH	ACTN	N	N	Char	1	OSHA Notified
MISCTEC	ACTN	N	N	Char	1	Chemtrec Notified
MLAND	DETLS	Y	N	Char	1	Medium—Land
MODE	DETLS	Y	N	Char	2	Transport Mode (1&2)
MODE1	DETLS	N	N	Char	1	Transport Mode 1
MODE2	DETLS	N	N	Char	1	Transport Mode 2
MONITOR	REPT	Y	N	Char	1	On-Scene Monitoring
MOTH	DETLS	Y	N	Char	1	Medium—Other
MREPCNT	REPT	Y	N	Num	3	Multiple Report Count
MTEXT	TEXT	N	N	Char	255	Miscellaneous Text
MTEXTX	TEXT	N	N	Char	29	Miscellaneous Text
MTRLSEQ (K)	MTRLS	N	N	Num	1	Material Spilled Sequence Number
MUD	REPT	Y	N	Char	1	Most Up-To-Date Report
MULT	REPT	Y	N	Char	1	Multiple Report Indicator
MWATER	DETLS	Y	N	Char	1	Medium—Water
NATURAL	DETLS	Y	N	Char	1	Natural Phenomenon
NTSBHWY	ACTN	N	N	Char	1	NTSB Highway Administration Notified
NTSBPIP	ACTN	N	N	Char	1	NTSB/OPS Notified
NTSBRR	ACTN	N	N	Char	1	NTSB/FRA Notified
OPERR	DETLS	Y	N	Char	1	Operator Error
OWNID	REPT2	Y	N	Num	9	Unique Identifier
PHONAST	REPT	N	N	Char	1	Telephone Assistance
PROPDMG	DETLS	Y	N	Num	6	Property Damage Cost
QTYSP	MTRLS	Y	N	Num	6	Quantity Spilled
QUADLAT	SPILL	N	N	Char	1	Latitude Quadrant
QUADLON	SPILL	N	N	Char	1	Longitude Quadrant
QUAW	MTRLS	Y	N	Num	6	Quantity in Water
RAGCY1	ACTN	N	N	Char	1	Responding Agency 1 Code
RAGCY2	ACTN	N	N	Char	1	Responding Agency 2 Code
RAGCY3	ACTN	N	N	Char	1	Responding Agency 3 Code
RANGE	SPILL	N	N	Char	10	Range
REGION	ACTN	Y	N	Char	2	EPA Region Initially Notified
RNAME	REPT	Y	N	Char	20	EPA Reporting Source Agency Name
RNAME1	ACTN	N	N	Char	30	Responding Agency 1
RNAME2	ACTN	N	N	Char	30	Responding Agency 2
RNAME3	ACTN	N	N	Char	30	Responding Agency 3
RNO	REPT	Y	N	Char	12	Report Number
RNO2	REPT	Y	N	Char	12	Case Number Assigned to Regional Report
ROAD	DETLS	Y	N	Char	1	Road Closure
RPTBL	REPT	Y	N	Char	1	Reportable
RSOURCE	REPT	Y	N	Char	1	EPA Reporting Source Agency Type
RSPAOHM	ACTN	N	N	Char	1	RSPA/OHM Notified
RSPAOPS	ACTN	N	N	Char	1	RSPA/OPS Notified
SAMELOC	SPILL	N	N	Char	1	Spill at Caller/Discharger Site
SCITY	SPILL	N	N	Char	32	Spill City

ERNS Data Elements (by data element name)						
Element Name	Group	Index?	Sensitive?	Data Type	Length	Long Name
SCOUNTY	SPILL	N	N	Char	20	Spill County
SECTION	SPILL	N	N	Char	10	Section
SFIPSCO	SPILL	N	N	Num	3	Spill Location County Code
SOURCE	DETLS	Y	N	Char	2	Source Code
SPILLER	REPT	N	N	Char	1	Caller is Discharger
SPLREGN	SPILL	Y	N	Char	2	EPA Region Where Spill Occurred
SRC	REPT	Y	N	Char	2	Agency Receiving Initial Report
SST	SPILL	Y	N	Char	2	Spill State
SSTCITY	SPILL	Y	N	Char	12	Spill Location State/City
SSTCNTY	SPILL	Y	N	Char	4	Spill Location State/County Code
STATE	REPT1	N	N	Char	2	ID State
SZIP	SPILL	Y	N	Char	10	Spill Zip
TANKCAP	DETLS	N	N	Num	6	Tank Capacity
TANKCNT	DETLS	N	N	Num	3	Tank Count
TDDNBR	REPT	N	N	Char	9	Technical Direction Document Number
THREAT1	DETLS	N	N	Char	2	Threat Code 1
THREAT2	DETLS	N	N	Char	2	Threat Code 2
THREAT3	DETLS	N	N	Char	2	Threat Code 3
THREAT4	DETLS	N	N	Char	2	Threat Code 4
THREAT5	DETLS	N	N	Char	2	Threat Code 5
TMCUGU	ACTN	N	N	Num	4	Time Coast Guard Notified
TMEPA	ACTN	N	N	Num	4	Time EPA Notified
TMOTH	ACTN	N	N	Num	4	Time Other Agencies Notified
TMRPT	REPT2	N	N	Num	4	Report Time
TMSPI	REPT	N	N	Num	4	Time Spill
TOWN	SPILL	N	N	Char	20	Township
TRANS	DETLS	Y	N	Char	1	Transportation Accident
TRANSNR	REPT	Y	N	Char	20	EPA Unique Identifier
TUNITS	DETLS	N	N	Char	3	Tank Capacity Units
UNDOT	MTRLS	Y	N	Char	6	DOT Hazardous Substance Code
UNITSP	MTRLS	N	N	Char	3	Quantity Spilled Units
UNITSW	MTRLS	N	N	Char	3	Quantity in Water Units
UNKNOWN	DETLS	Y	N	Char	1	Cause Unknown
VID	DETLS	N	N	Char	20	Vehicle ID

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